## IN THE CLAIMS

- 1. (Original) A thermoplastic polyolefin alloy having high (notched) Izod impact strength comprising a polypropylene block copolymer as a base polymer, an elastomer and a compatibilizer.
- 2. (Original) Polyolefin alloys as claimed in claim 1, exhibiting izod impact strength in the range: 60-90 kg. cm/cm, for notched specimens of thickness 3.2 mm, following the ASTM D256 test method using injection molded standard specimens.
- 3. (Currently Amended) Polyolefin alloy as claimed in claim 1 [[and 2]], wherein said polypropylene block copolymer is a block copolymer of propylene and ethylene.
- 4. (Currently Amended) Polyolefin alloy as claimed in any preceding claim 1, wherein said elastomer is selected from a terpolymer made from ethylene propylene diene monomer(EPDM)/an ethylene propylene copolymer rubber (EPR).
- 5. (Currently Amended) Polyolefin alloy as claimed in any preceding claim 1, wherein said compatibilizer is selected from a group of two different ionomers, styrene-ethylene/butylene-styrene block copolymer (SEBS), styrene-acrylonitrile copolymer (SAN) and polypropylene block copolymer grafted with maleic anhydride (PPBC-g-MAH).
- 6. (Currently Amended) Polyolefin alloy as claimed in any preceding claim 1, wherein said polypropylene block copolymer is present in an amount of 50 to 95 wt % of said alloy.
- 7. (Currently Amended) Polyolefin alloy as claimed in any preceding claim 1, wherein

said elastomer is present in a concentration range of 5 to 50 wt %.

- 8. (Currently Amended) Polyolefin alloy as claimed in any preceding claim 1, wherein said compatibilizer is present in an amount of from 5 to 30 wt %.
- 9. (Currently Amended) Polyolefin alloy as claimed in any preceding claim 1, further including a natural filler.
- 10. (Original) Polyolefin alloy as claimed in claim 9 wherein said filler is selected from the group consisting of mica, talc and calcium carbonate.
- 11. (Currently Amended) Polyolefin alloy as claimed in claim 9 [[or 10]], wherein said filler is present in the concentration range of from 0-10 wt%.
- 12. (Original) A thermoplastic polyolefin alloy having high (notched) Izod impact strength comprising a base polymer selected from a block copolymer of propylene and ethylene (PPBC) in the concentration range of 50 to 59wt%; an elastomer comprising, a terpolymer made from ethylene propylene diene monomer (EPDM)/an ethylene propylene copolymer rubber (EPR) in the concentration range of 5-50 wt%; a compatibilizer selected from the group consisting of two different ionmers, styrene-ethylene/butylenes-styrene block copolymer (SEBS), styrene-acrylonitrile copolymer (SAN) and polypropylene block copolymer grafted with maleic anhydride (PPBC-g-MAH) in a concentration range of 5 to 30 wt% and natural filler selected from a group consisting of mica, talc and calcium carbonate in the concentration range of 0 to 10 wt%.
- 13. (Original) Polyolefin alloy as claimed in claim 12, when heated in differential,

scanning calorimeter at a uniform heating rate of 10°C/min. in nitrogen environment, exhibit 2 to 3 endothermic peaks in the range: 90-167°C.

- 14. (Original) Polyolefin alloy as claimed in claim 12, having exothermic major peak in the temperature range of 115-25°C followed by a minor peak in the range of 113 to 125°C with total ΔH value in the range: 55 of 75 J/g, when heated in differential scanning calorimeter at a uniform heating rate of 10°C/min, in nitrogen environment, up to 200°C and cooled after holding isothermally for 3 min.
- 15. (Original) Polyolefin alloy as claimed in claim 12, having melt flow indices in the range: 2-5 g/10 min. when tested according to ASTM D1238 standard method using dried granules.
- 16. (Original) Polyolefin alloy as claimed in claim 12, having tensile strength in the range of 150 to 200 kg/cm<sup>2</sup> when tested according to ASTM D638, using injection molded test specimens.
- 17. (Original) Polyolefin alloy as claimed in claim 12, exhibiting tensile modulus in the range of 7,000 to 8,000 kg/cm², when tested according to ASTM D638, using injection molded test specimens.
- 18. (Original) Polyolefin alloy as claimed in claim 12, exhibiting flexural strength in the range of 160 to 200 kg/cm², when tested according to ASTM D790, using injection molded specimens.
- 19. (Original) Polyolefin alloy as claimed in claim 12, having flexural modules in the

range of 6,000 to 8,000 kg/cm<sup>2</sup>, when tested according to ASTM D790, using injection molded specimens.

- 20. (Original) Polyolefin alloy as claimed in claim 12, having heat deflection temperature in the range of 60-70°C with 4.6 lcgf stress when tested according to ASTM D648, using injection molded test specimens.
- 21. (Original) Polyolefin alloy as claimed in claim 12, exhibiting heat deflection temperature in the range: 45-55°C with 18.2 kgf stress when tested according to ASTM D648, using injection molded test specimens.
- 22. (Original) A process for the preparation of a thermoplastic polyolefin alloy having high (notched) Izod impact strength which comprises melt blending a polypropylene block copolymer, a terpolymer and a compatibilizer, with or without a natural filler.
- 23. (Original) A process as claimed in claim 22, wherein said melt blending is carried out in in a twin screw extruder or a Buss-co-kneader.
- 24. (Original) A process as claimed in claim 22, wherein said polypropylene block copolymer is a block copolymer of propylene and ethylene.
- 25. (Currently Amended) A process as claimed in any one of claim[[s]] 22 to 24, wherein said elastomer is selected from a terpolymer made from ethylene propylene diene monomer (EPDM) /an ethylene propylene copolymer rubber (EPR).
- 26. (Currently Amended) A process as claimed in any one of claim[[s]] 22 [[to 25]],

wherein said compatibilizer is selected from a group of two different ionomers, styreneethylene/butylene-styrene block copolymer(SEBS), styrene-acrylonitrile copolymer (SAN)

27. (Currently Amended) A process as claimed in any one of claim[[s]] 22 [[to 26]], wherein said polypropylene block copolymer is present in an amount of 50 to 95 wt % of said alloy.

and polypropylene block copolymer grafted with maleic anhydride (PPBC-g-MAH).

- 28. (Currently Amended) A process as claimed in any one of claim[[s]] 22 [[to 27]], wherein said elastomer is present in a concentration range of 5 to 50 wt %.
- 29. (Currently Amended) A process as claimed in any one of claim[[s]] 22 [[to 28]], wherein said compatibilizer is present in an amount of from 5 to 30 wt %.
- 30. (Currently Amended) A process as claimed in any one of claim[[s]] 22 [[to 29]], further including a natural filler.
- 31. (Original) A process as claimed in claims 30, wherein said filler is selected from the group consisting of mica, talc and calcium carbonate.
- 32. (Original) A process as claimed in claim 31, wherein said filler is present in the concentration range of from 0-10 wt %.
- 33. (Currently Amended) A process as claimed in any one of claim[[s]] 23 [[to 32]] wherein said extruder temperature is maintain at in the range of 125 to 240°C.

34. (Currently Amended) A process as claimed in any one of claim[[s]] 23 [[to 33]] wherein the twin-screwextruder/Buss-co-Isneader is operated with the screws rotating at a speed of 50-100 rpm.

35. (Currently Amended) A process as claimed in any one of claim[[s]] 22 [[to 34]] wherein the melt blending is carried out at a residence time of 0.5 to 5.0 min.

36. (Currently Amended) An article of manufacture whenever made of the polyoelfin alloy as claimed in any one of claim[[s]] 1 [[to 21]].